



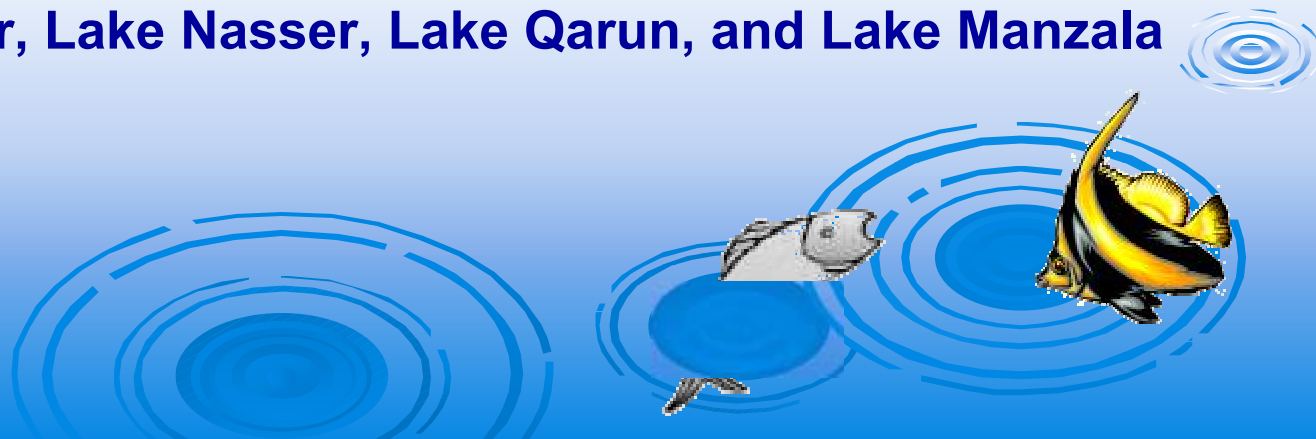
Fisheries and Aquaculture in Egypt



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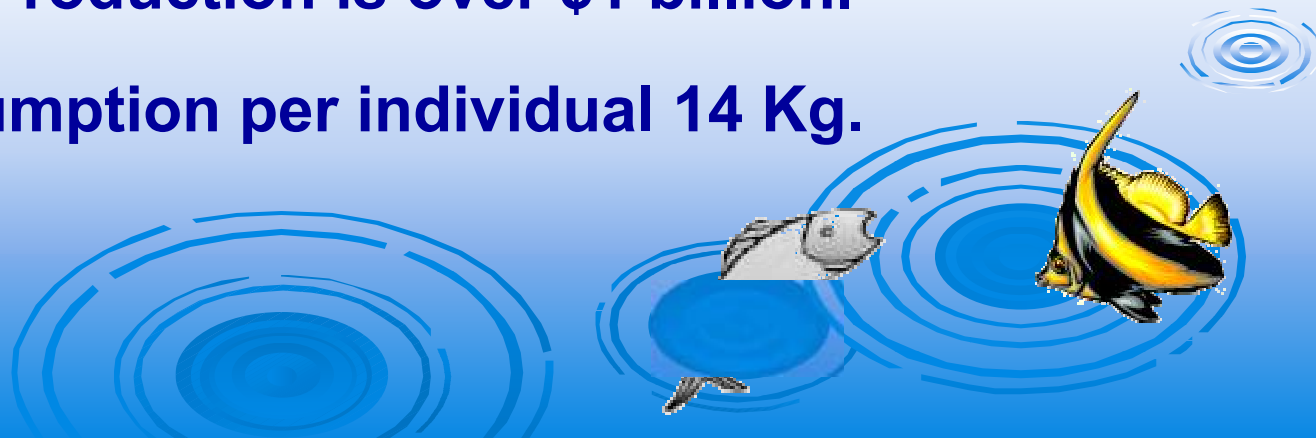
Egypt's Geographical Breakdown:

- **Water Boundaries 14 Million Acres.**
- **This is double the Agricultural Land (6 Million Acres).**
- **Water Borders:**
 - North: Mediterranean Sea
 - East: Red Sea & Gulf of Suez
- **Main Internal Bodies of Water:**
 - The Nile River, Lake Nasser, Lake Qarun, and Lake Manzala

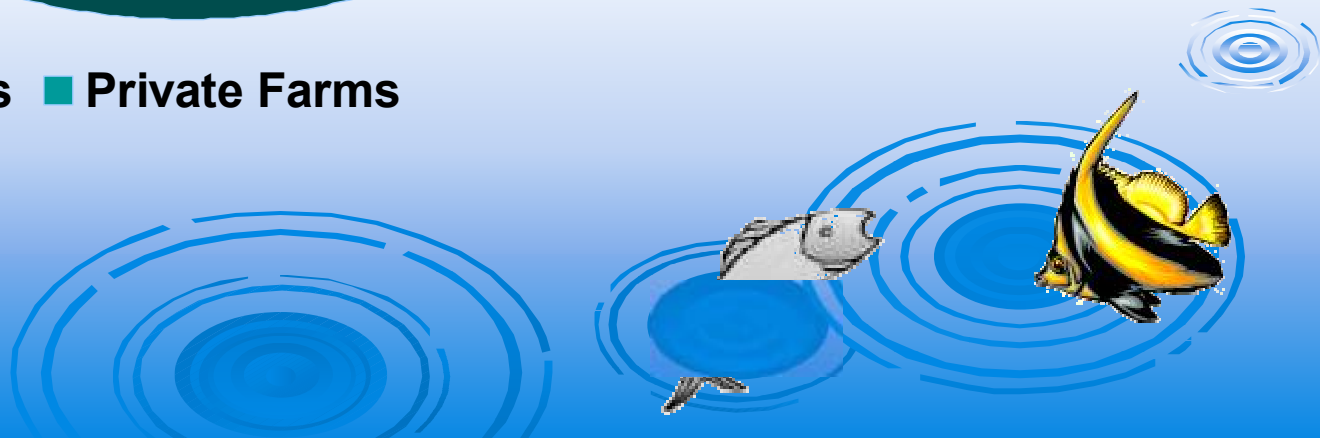
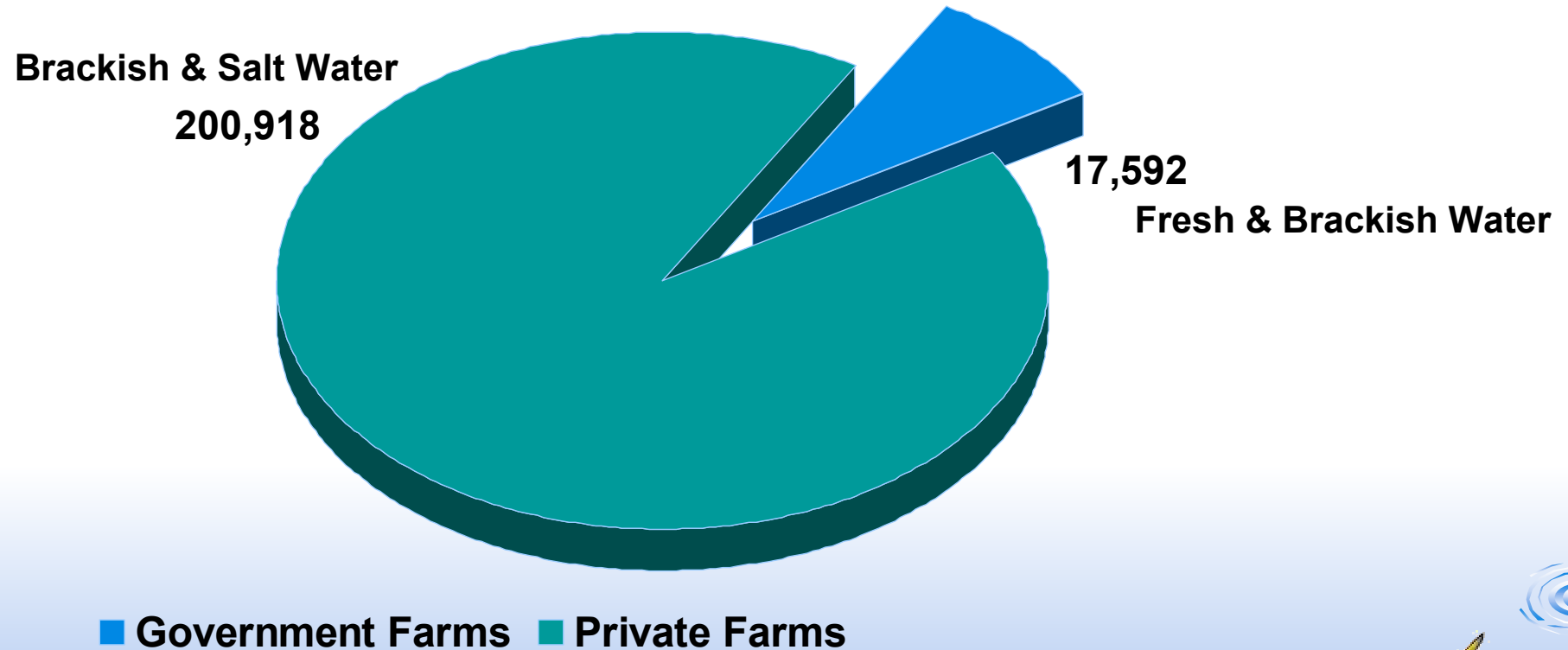


General Statistics

- Fisheries are about 8% of total Agricultural Production.
- Fisheries are about 22% of total Livestock Production.
- Total Annual Production is about 900 tons.
- Total Annual Production is over \$1 billion.
- Annual Consumption per individual 14 Kg.



Aquaculture Land Areas in Acres

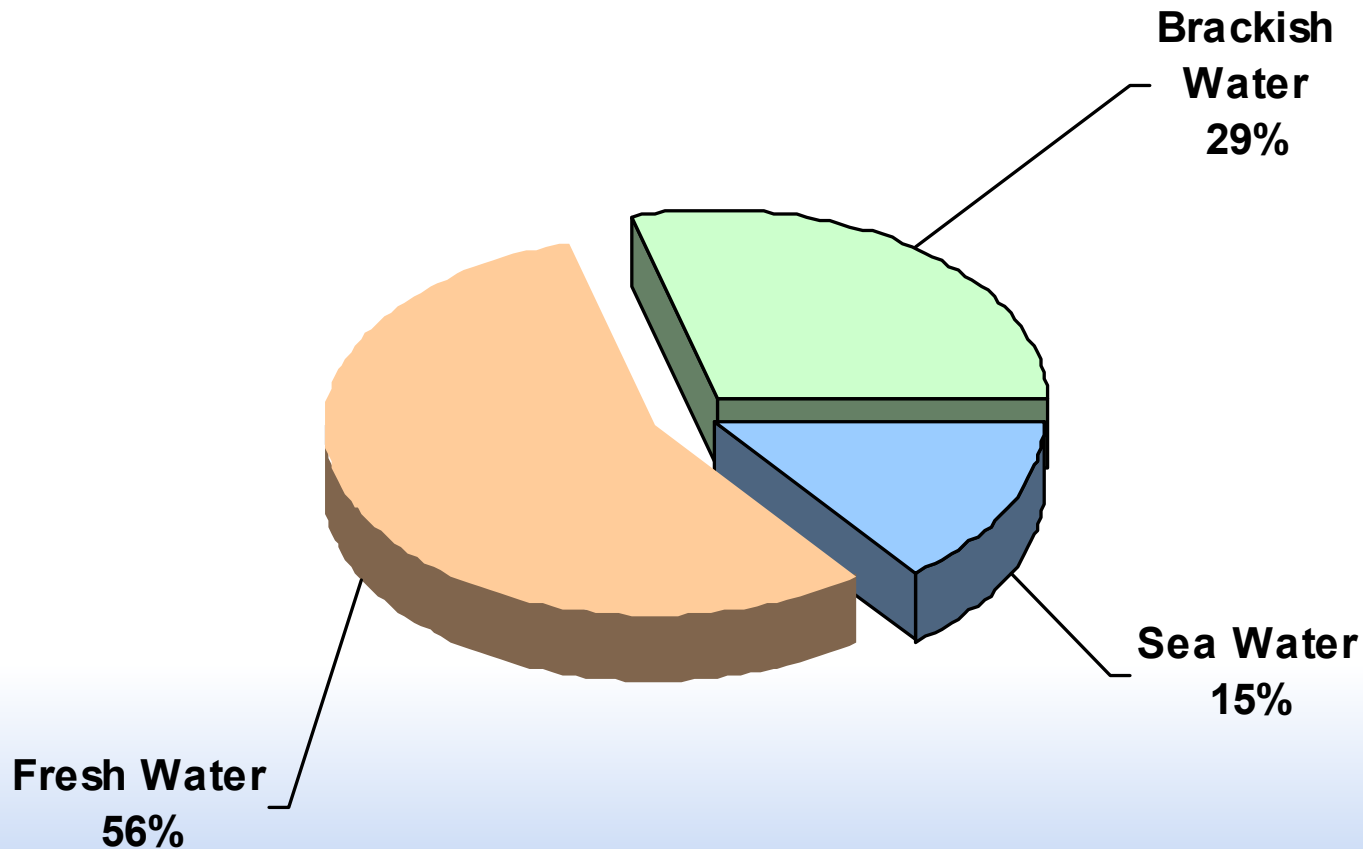


Fishing

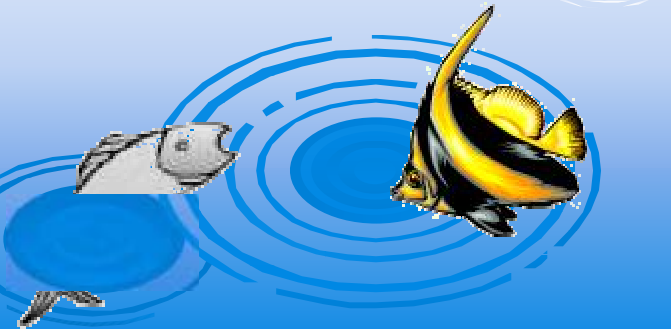
- **Total Fishing output is about 453 thousand tons.**
- **More than 30 species of fish and prawn.**
- **Landings from the Mediterranean:**
 - 21% Sardine, 10% Mullet, and 12% shrimp and crab.
- **Landings from the Gulf of Suez and the Red Sea:**
 - 24% shrimp and crab, 19% lizard fish and bogue, 12% snapper, 6% sardine, and 2% mullet



Sources of Production

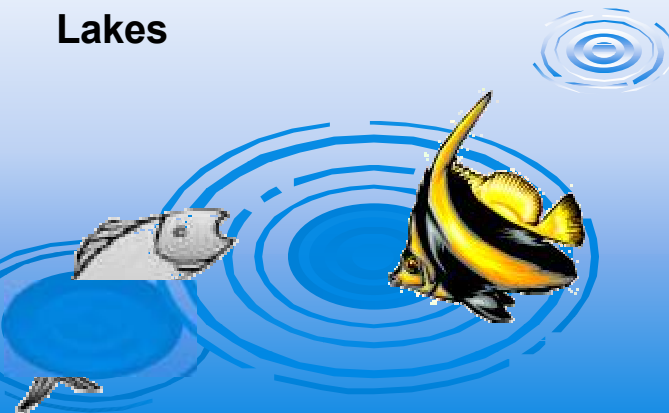
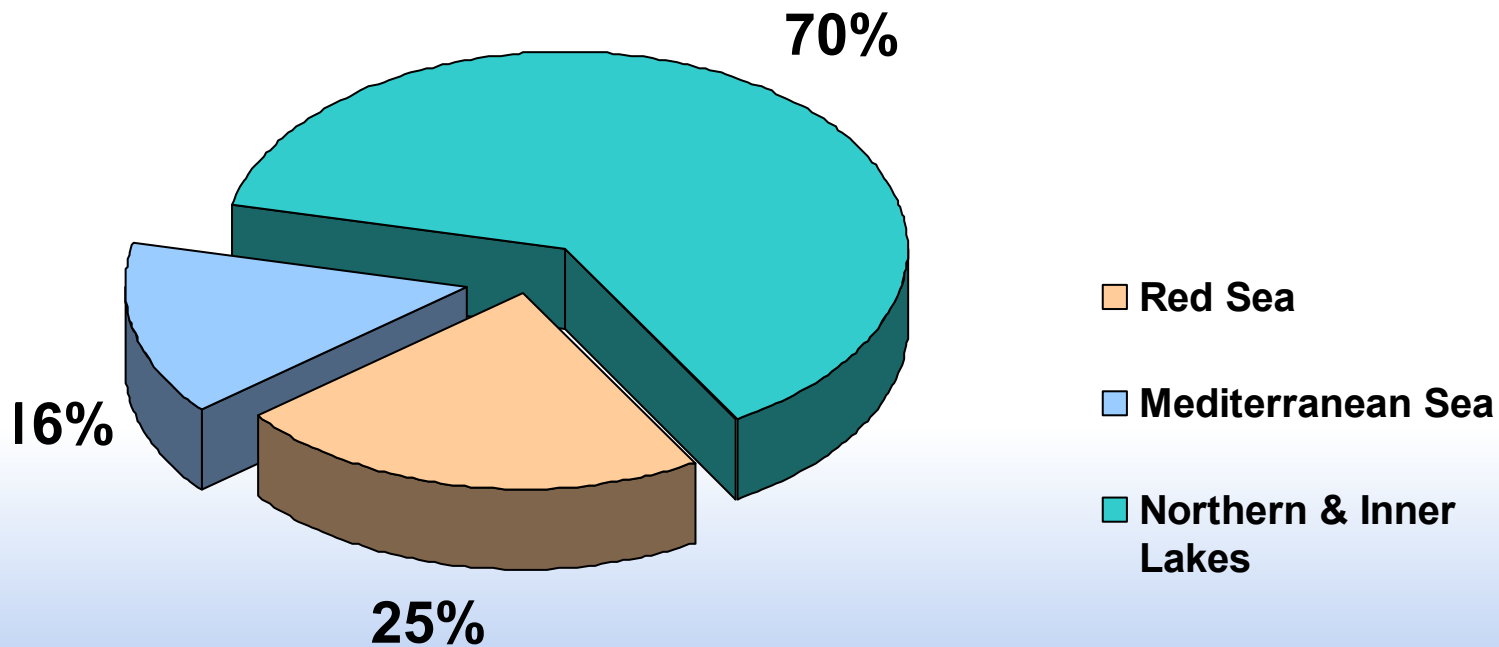


☐ Sea Water ☒ Fresh Water ☐ Brackish Water



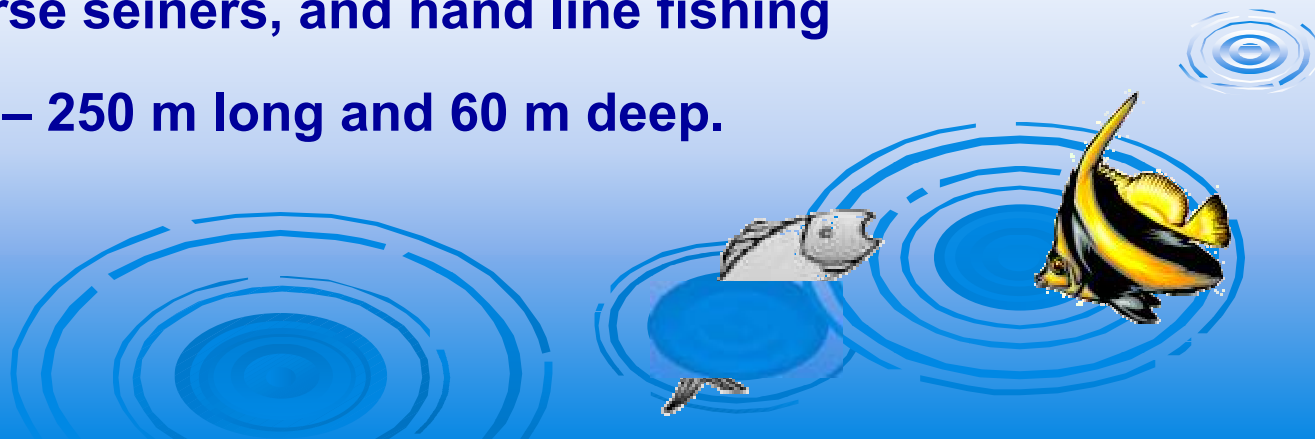
Fishing Locations

Percentage of Total Fishing Output

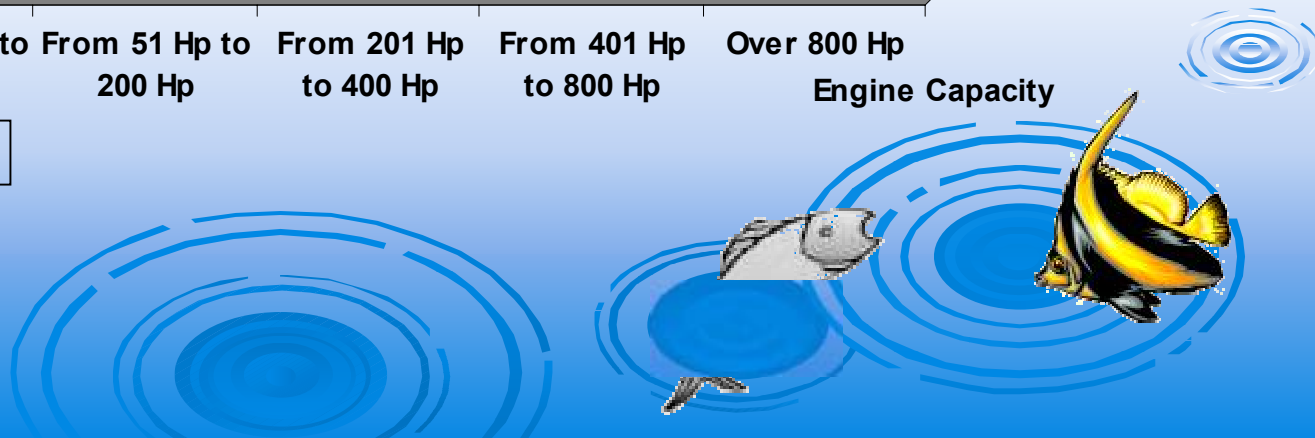
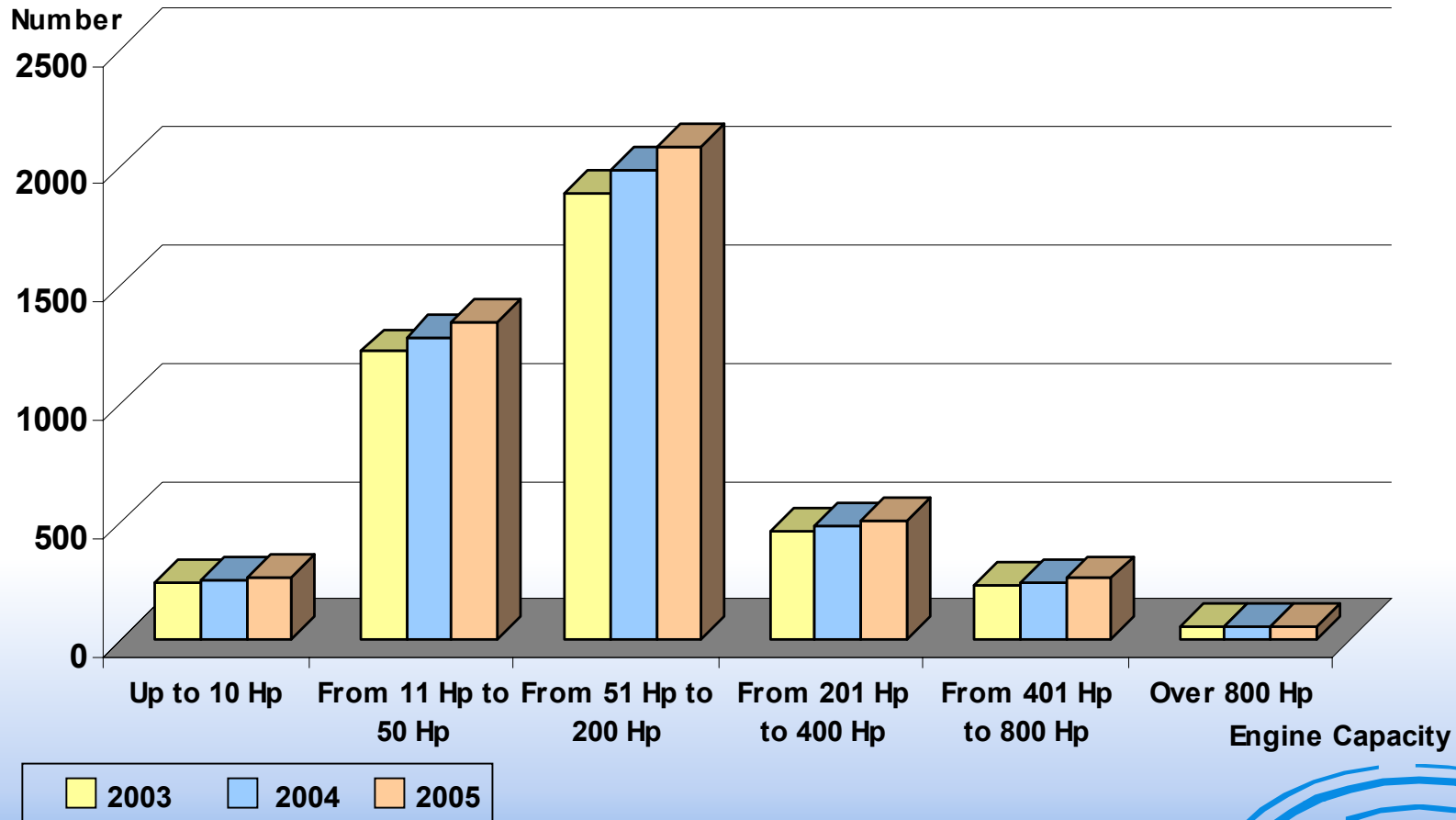


Fishing Vessels

- **Located in the Mediterranean and Red Sea**
 - 4,089 powered vessels. (Ranging from 10 Hp to over 800 Hp)
 - 2,379 are propelled by sail.
- **Located in the Northern and Inner Lakes**
 - 79,679 powered and non-powered vessels
- **Applied methods include:**
 - Trawlers, purse seiners, and hand line fishing
 - Nets are 200 – 250 m long and 60 m deep.

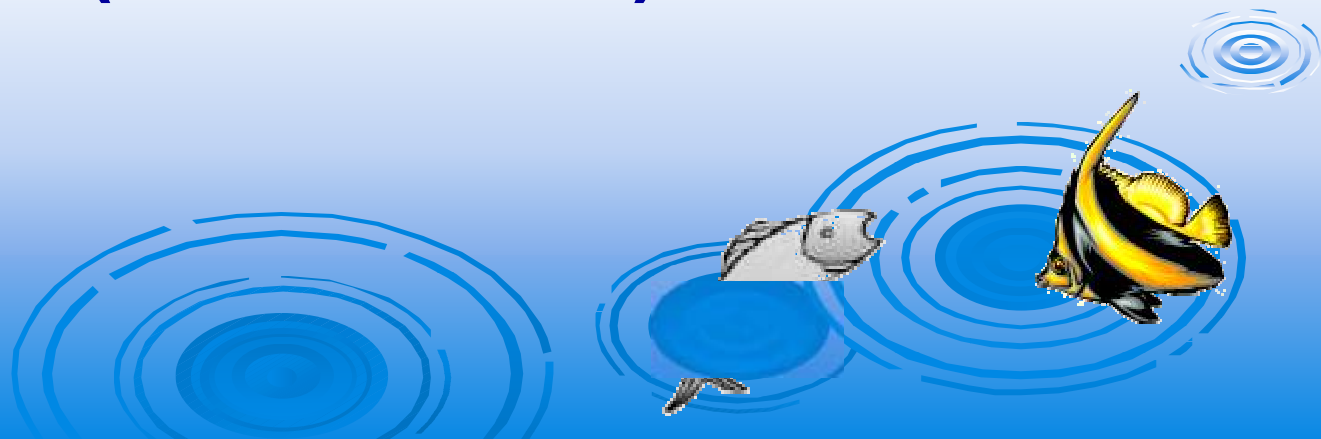


Fishing Vessels



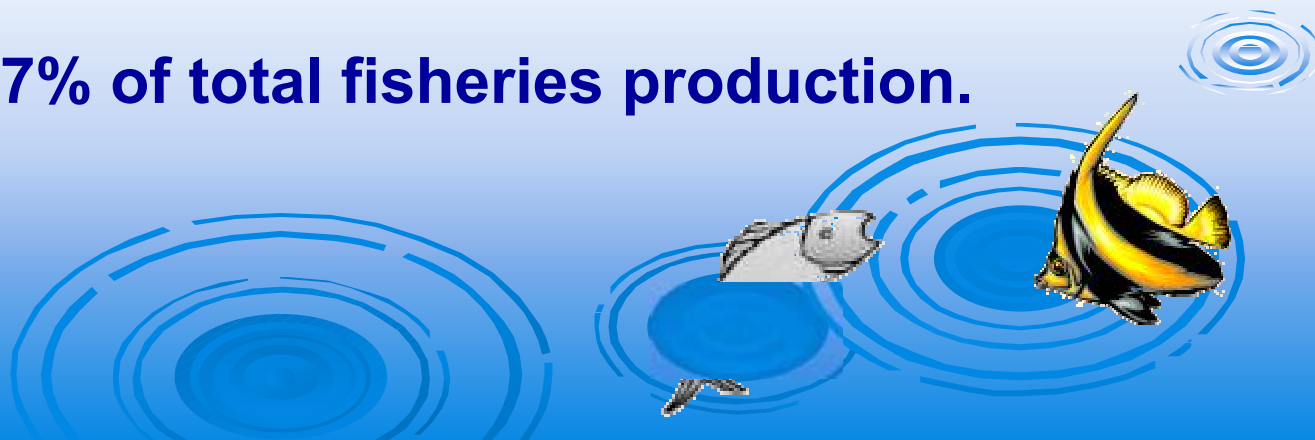
Methods of Aquaculture

- **Intensive**
- **Semi-Intensive**
- **Extensive**
- **Integrated (Rice Farms)**



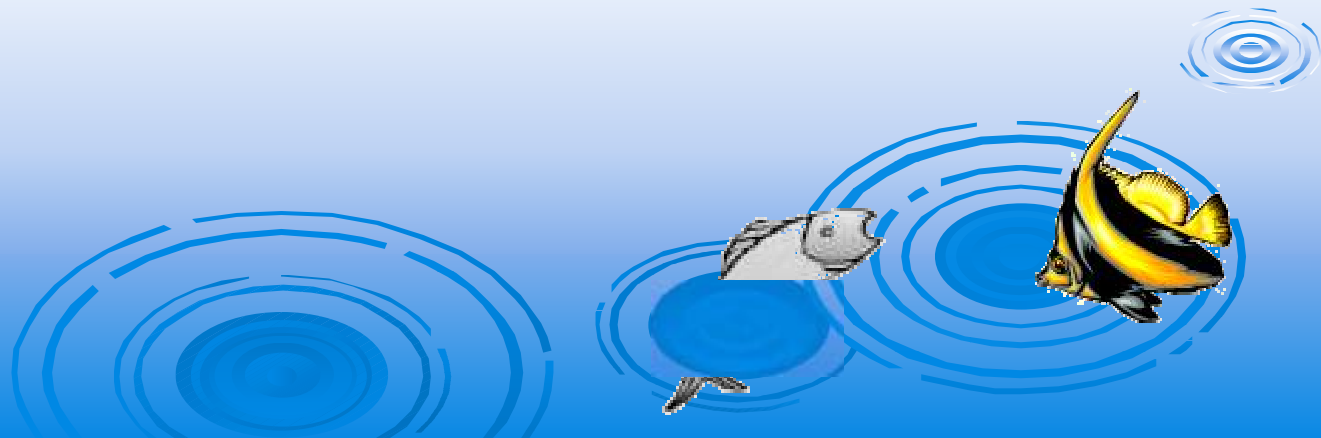
Intensive

- **Used mainly by private sector in fresh water.**
- **Located in the Governorates of Damietta & Kafr El Sheikh.**
- **Cages anchored in the Nile River and in man-made cement pools.**
- **Majority of output is Tilapia.**
- **Total production 33 thousand tons.**
- **Production is 7% of total fisheries production.**



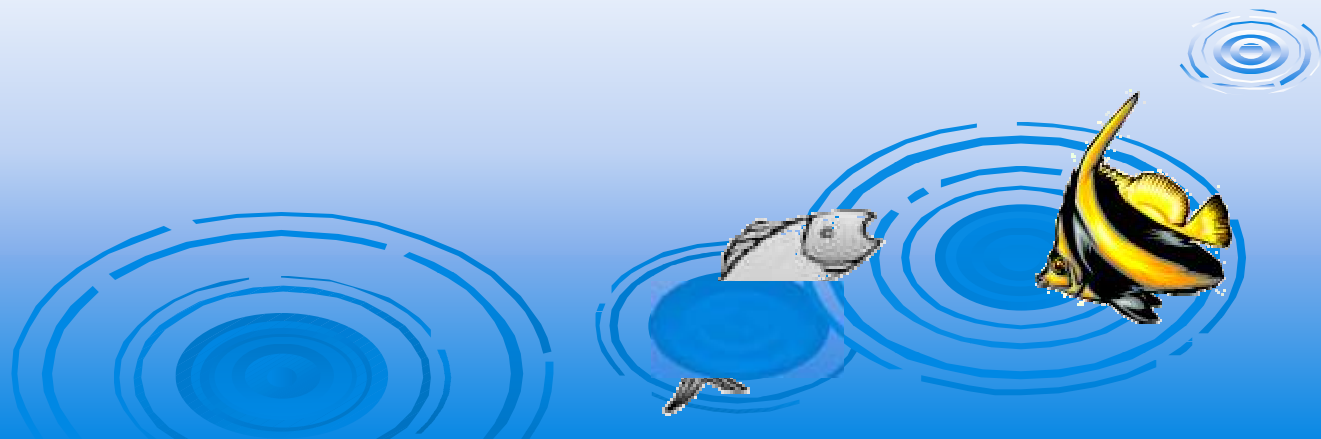
Semi-Intensive

- **Used mainly on government farms.**
- **Used in sea & brackish water.**
- **Majority of output is tilapia, mullet and carp.**
- **Total production 284 thousand tons.**
- **Production is 64% of total fisheries production.**



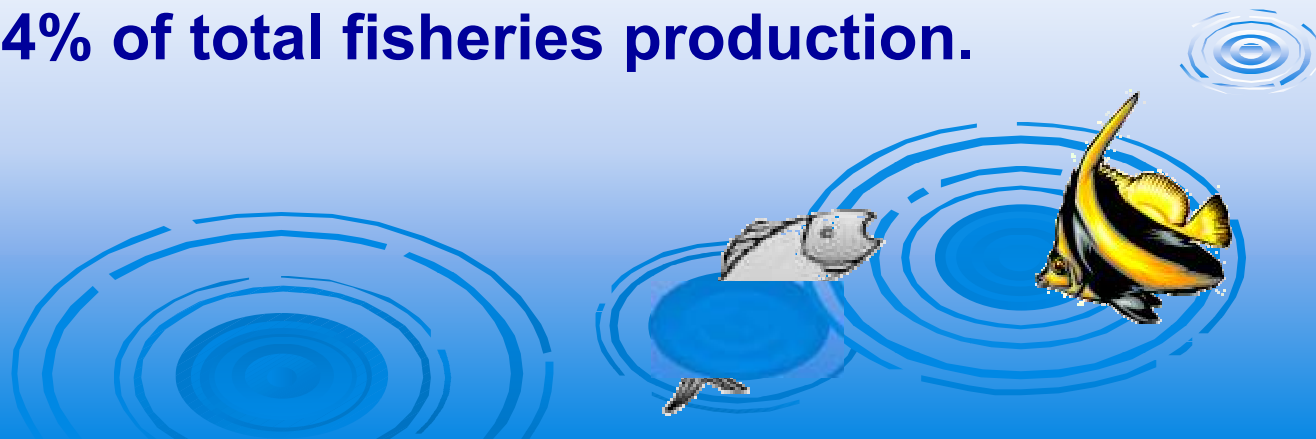
Extensive

- **Used in brackish water.**
- **Majority of output is tilapia, mullet, sea bream, and sea bass.**
- **Total production 111 thousand tons.**
- **Production is 25% of total fisheries production.**



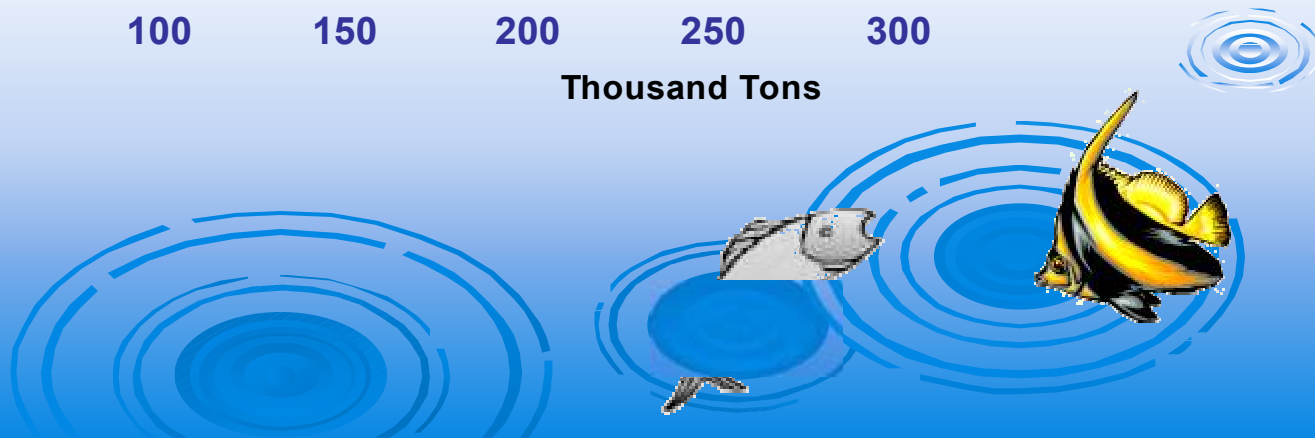
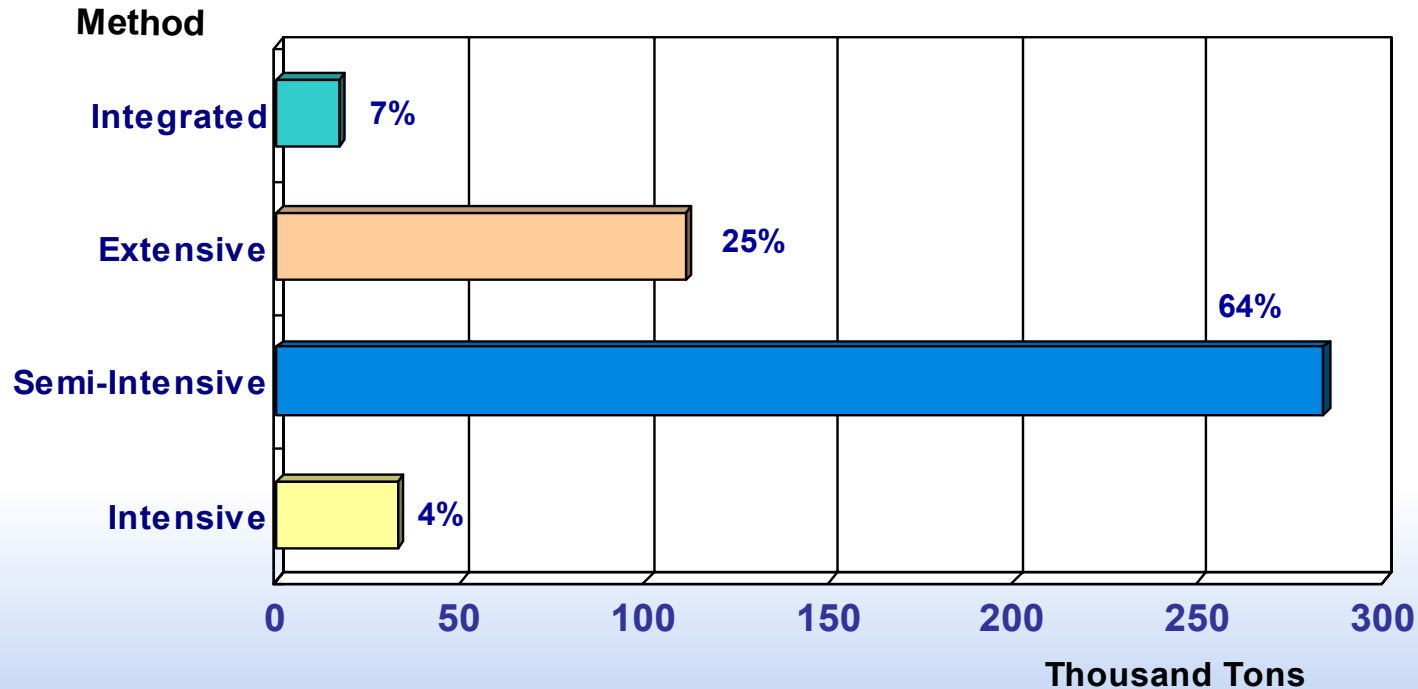
Integrated (Rice Farms)

- Used in fresh water and majority of output is carp.
- There are around 250 thousand acres of rice farms in Egypt.
- Government provides 50 fish per acre not to be fished for a minimum of 100 days.
- Total production 17 thousand tons.
- Production is 4% of total fisheries production.



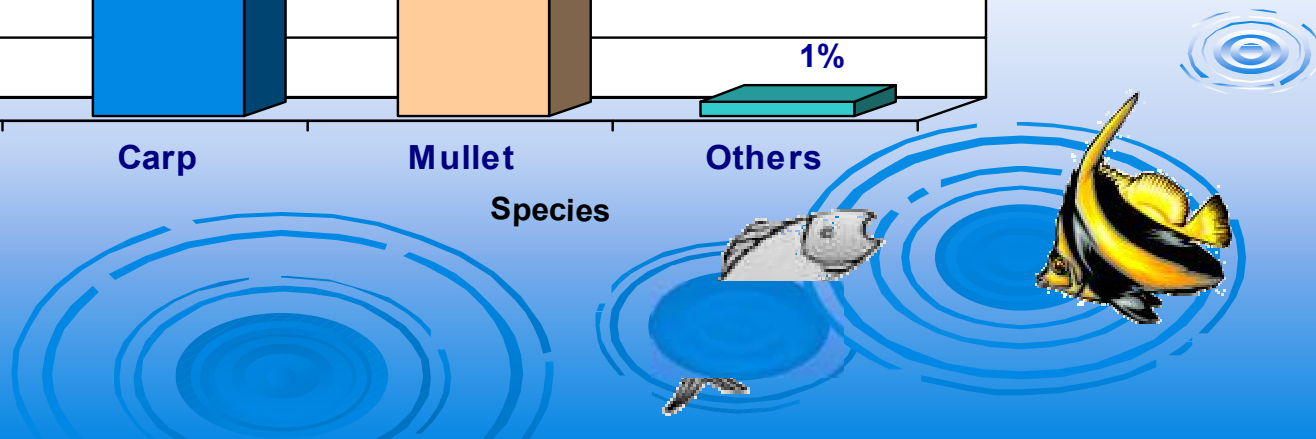
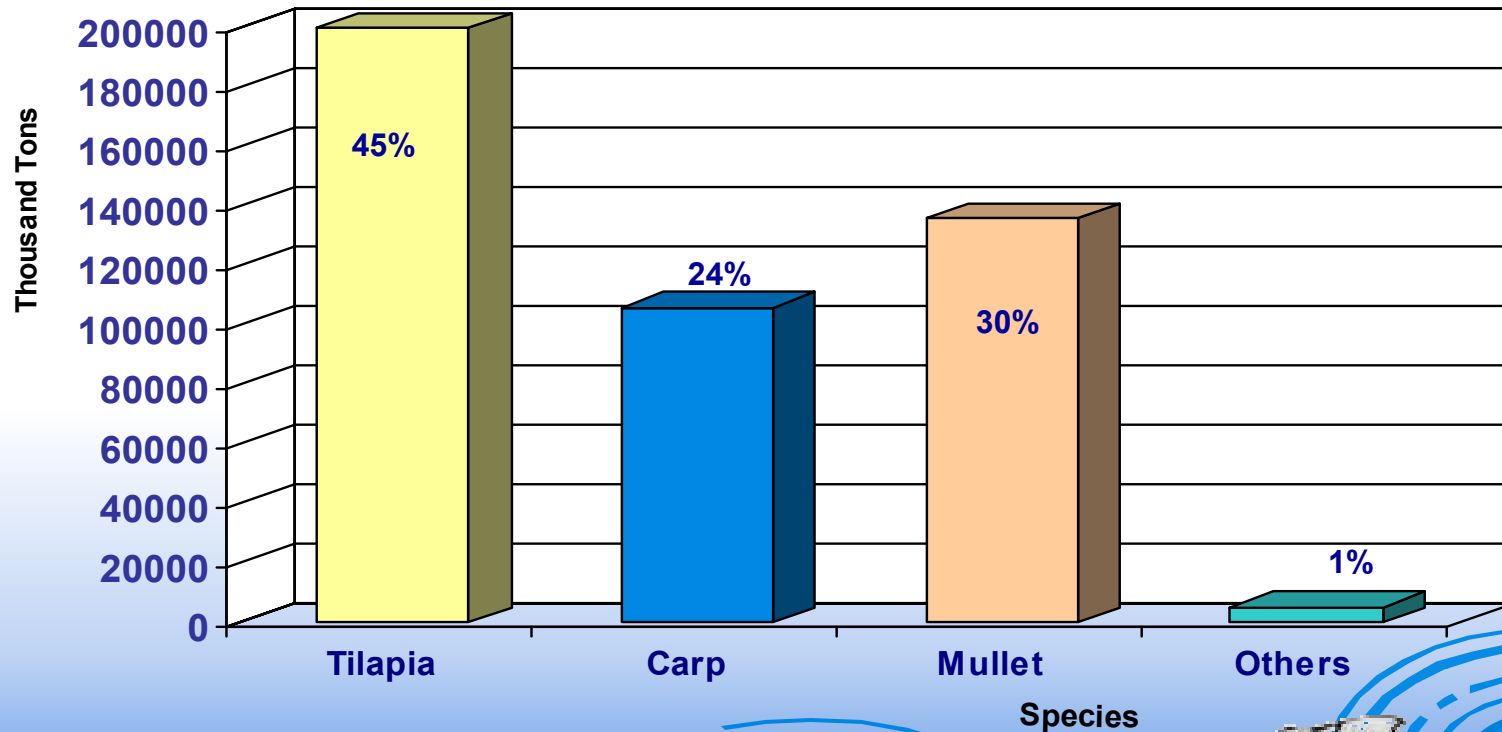
Methods of Aquaculture

Production Output

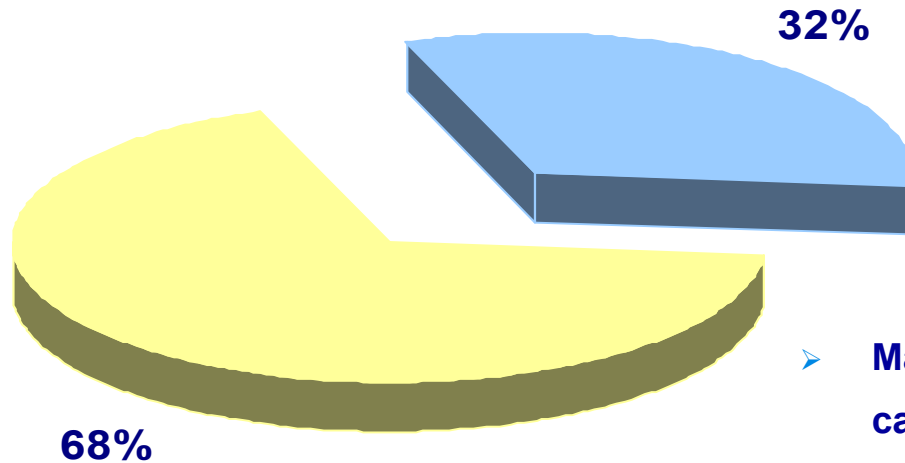


Species of Aquaculture

Production Output

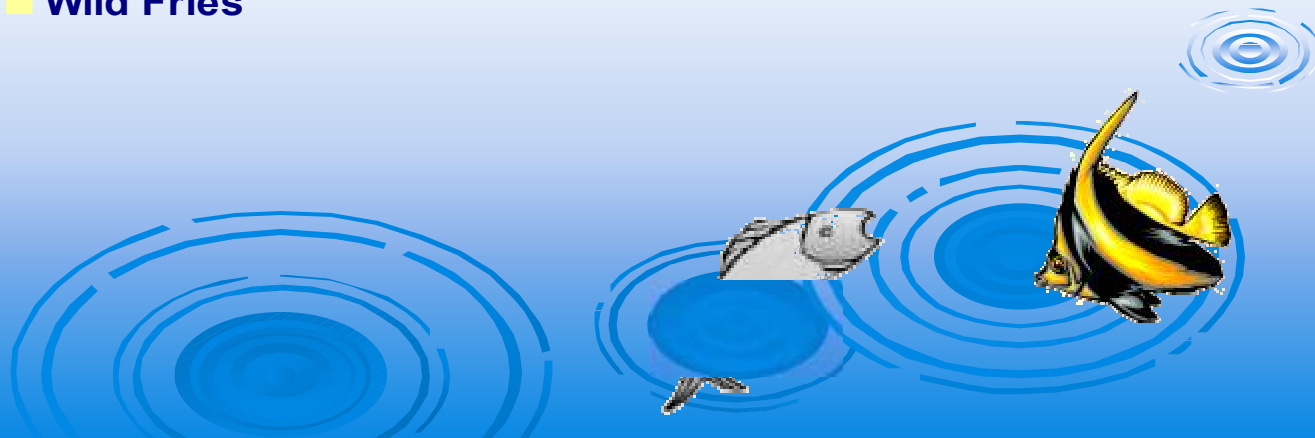


Artificial Hatching and Wild Fries



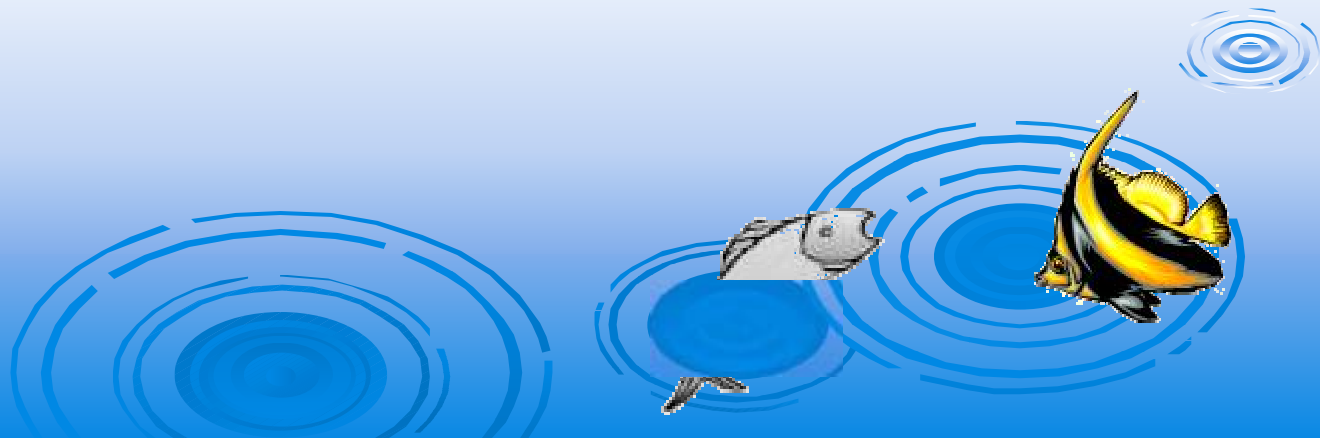
- Majority of artificial hatching is common carp.
- Majority of wild fries is tilapia and catfish.

■ Artificial Hatching ■ Wild Fries



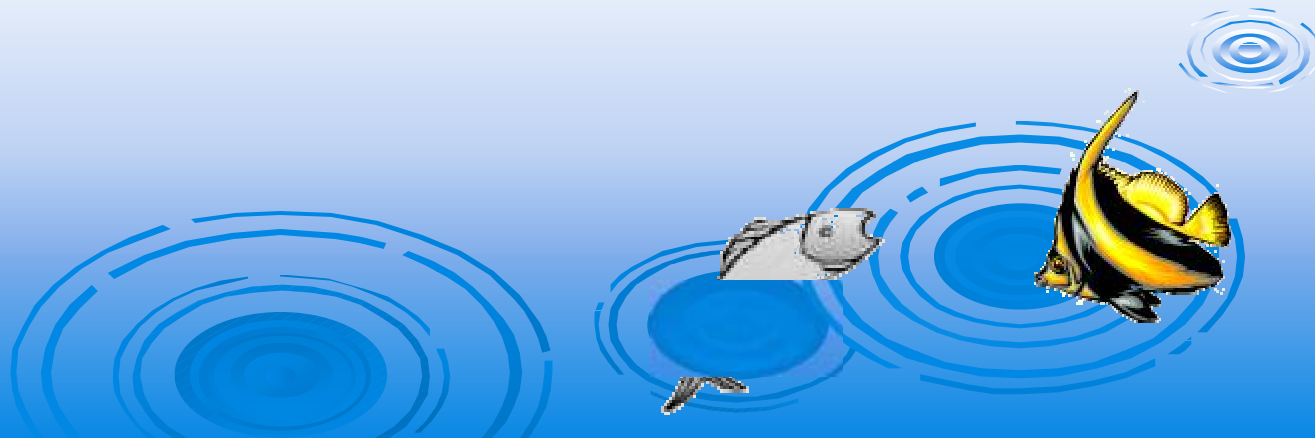
Fish Imports

- High demand due to rising prices of meat and chicken.
- Increased: 142 – 261 thousand tons.
- Imports were of 172% of planned amount.
- Domestic production has reduced imports in recent years.



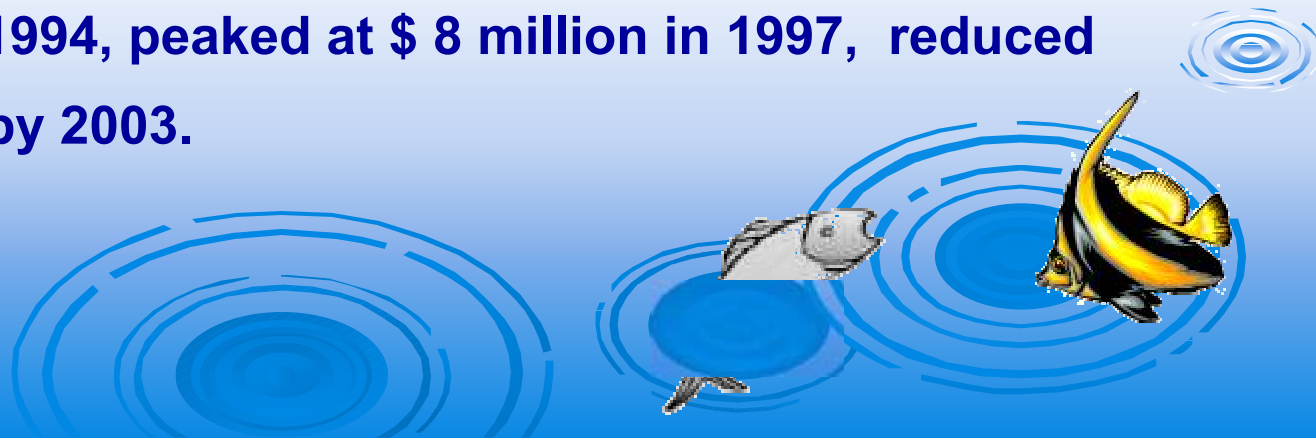
Fish Imports

- **Main exporting countries:**
 - Spain, Sweden, Holland, Russia, France, and Morocco
- **Types of imported fish:**
 - Sardine, Mackerel, Shrimp, Tuna and various frozen fish
- **Quantity of imported Fish:**
 - 165 thousand tons in 1994; increased to 261 in 2003.



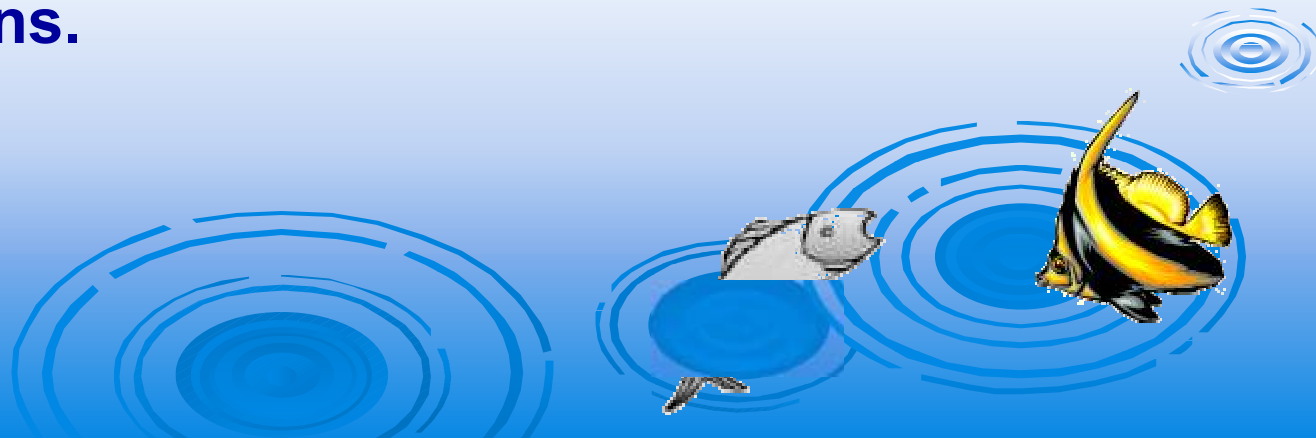
Fish Exports

- **Main importing countries:**
 - Greece, Italy, Holland, Spain, Cyprus, Israel and Arab countries.
- **Types of exported fish:**
 - Sea bass, Sea bream, Shrimp and Lobster
- **Quantity of exported fish:**
 - 1,630 tons in 1994; increased to 3,130 tons in 2003.
- **Value of exported fish:**
 - \$ 7 million in 1994, peaked at \$ 8 million in 1997, reduced to \$ 3 million by 2003.



Labor

- **There are around 208,000 fishermen and skippers.**
- **Estimated 750,000 employees in packaging and distribution.**
- **All fishermen are members of The Cooperative Fishing Association. There are 84 branches across Egypt.**
- **These Associations provide interest-free long and short-term loans.**



The General Authority for Fish Resources Development

Aims to raise the consumption per individual through:

- **Enhancing the development of natural fish resources.**
- **Protecting the environment.**
- **Periodically clearing the lagoon inlets to prevent silting.**
- **Creating awareness of scientific studies.**
- **Promoting marine aquaculture.**
- **Promoting export and import of fish.**



The General Authority for Fish Resources Development

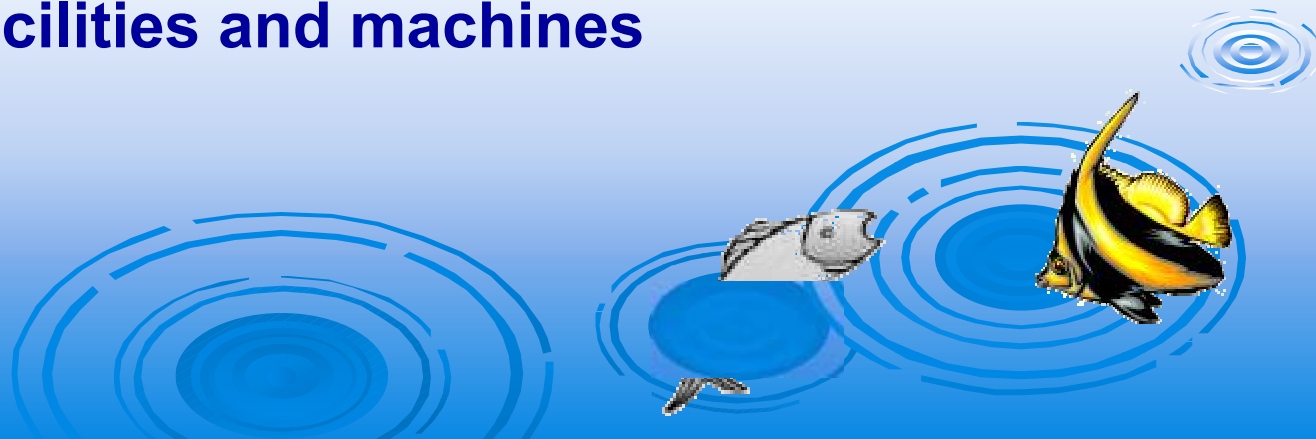
Aims to raise the consumption per individual through:

- **Facilitating availability of fishing gear at affordable prices.**
- **Developing the fishing fleet.**
- **Providing loans to renew high sea fishing vessels.**
- **Encouraging rice growers to breed fish in rice fields.**
- **Optimizing usage of water canals and drains for fish breeding in cages.**



Business Opportunities

- **Aquaculture B.O.T. Investment**
- **Marine mapping surveys and consultations**
- **Marine and fishing vessel servicing**
- **Sales of fishing vessels**
- **Exportation of fishing gear and equipment**
- **Packaging facilities and machines**



Thank You

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